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(MIRA 15:1)

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Predstavleno akademikom D.I.Shcherbakovym.
(Polevskoy region--Petrology)

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1. Institut geologii Ural'skogo filiala AN SSSR, Sverdlovsk.

YAROSH, P. Ya.; KHACHATURYAN, E.A.

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1. Institut geologii Ural'skogo filiala AN SSSR i Institut geologicheskikh nauk AN ATTSSR.

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(INTRATRACHEAL ANESTHESIA)

BUTENKO, Z.A.; BLEYKHERMAN, N.A.; ZAK, K.P.; SAZHENIN, P.A.; YAROSH, S.I.

Methods for counting eosinophiles directly in the calculating chamber. Vrach.delo no.2:199-201 F 59. (MIRA 12:6)

1. Laboratoriya endokrinnykh funktsiy (rukovoditel' - akad. AN USSR V.P.Komissarenko) Instituta fiziologii AN USSR, kafedra patofiziologii (zav. - prof.O.A.Bogomolets) Kiyevskogo instituta usovershenstvovaniya vrachey, kafedra khirurgii stomatologicheskogo fakul'teta (zav. - zasl.deyatel' nauki, prof.A.K.Gorchakov) i kafedra akusherstva i ginekologii (zav. - prof.A.Yu.Lur'ye [deceased]) Kiyevskogo meditsinskogo instituta. (EOSINOPHILES)

YAROSH, S.I.

Simple apparatus for recording pulse waves, Vrach, delo no.3:309 Mr '60. (MIRA 13:6)

1. Kafedra akusherstva i ginekologii No.l (zav. - prof. N.S. Baksheyev) Kiyevskogo meditsinskogo instituta.

(MEDICAL INSTRUMENTS AND APPARATUS) (PULSE)

YAROSH, S.I.	
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YAROSH, S.I. (KIEV, USSR)

Gynakologische Operationen in Trendelenburgscher Lage bei moderner Anasthesie.

Report submitted for the 3rd World Congress, Intl Federation of Gynoelogy and Obstetrics, At Vienna, Austria, 3-9 Sep 1961

Influence of the anatomical structure of the neck and maxilla on the technic of direct laryngoscopy. Eksp.khir.i anest. 6 no.3:63-64 '61. (MIRA 14:10) (LARYNCOSCOPE AND LARYNCOSCOPY) (NECK)

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Elets bunglers. Sakh.prom. 34 no.10:12-13 0 '60. (MIRA 13:10)

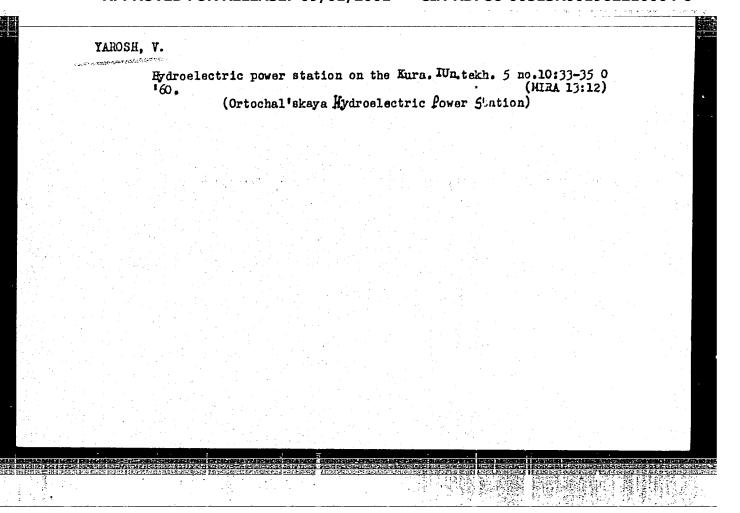
(Elets-Limestone)

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Errors and complications in potentiated and intubation anesthesia. Ped., akush. i gin. 23 no.6:42-44 '61. (MIRA 15:4)

1. Kafedra akusherstva i ginekologii No.l (zav. - prof. M.S. Baksheyev [Baksheiev, M.S.]) Kiyevskogo meditsinskogo instituta im. akad.Bogomol'tsa (rektor - dotsent V.D.Bratus').

(INTRATRACHEAL ANESTHESIA)



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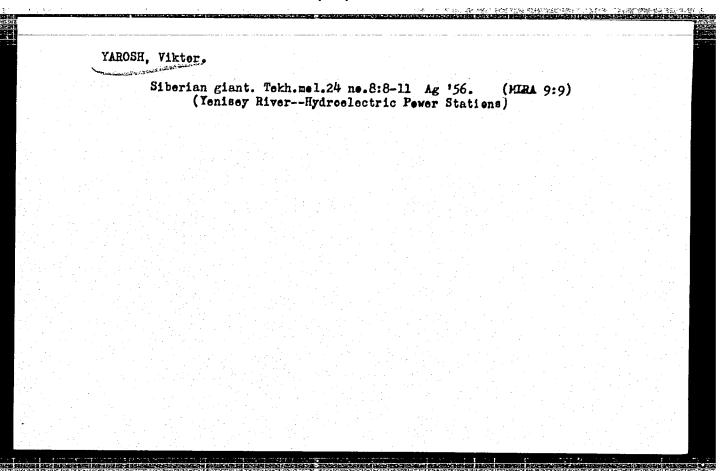
vokrug sveta, 1949, N. 6, s. 33-36

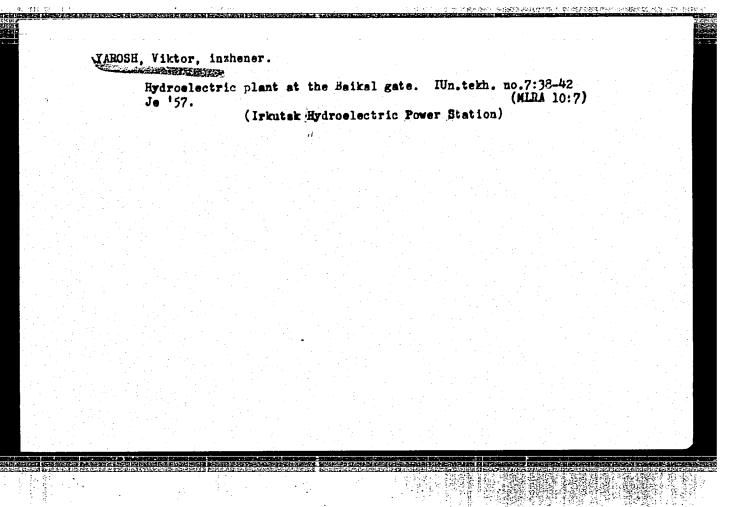
ye, Alektrotekhnika. Elektrifikatsiya

So: Letopis Mhwrnal Utatey - Vol 27 - Hoshva, 1949



The future is born today. Tekh.mol.24 no.6:2-6 Ja '56. (KLRA 9:9)
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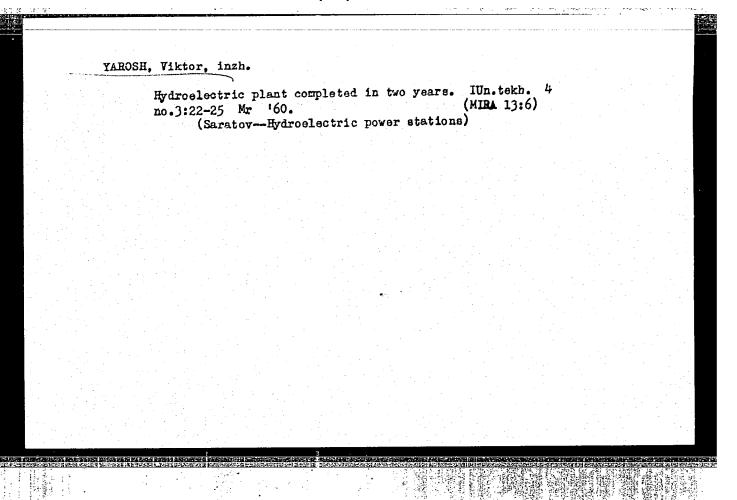


MALENKOV, G.M.; PERVUKHIN, M.G.; KUCHERENKO, V.A.; ZHIMERIN, D.G.; LOGINOV, F.G.; PAVLENKO, A.S.; YERMAKOV, V.S.; VINTER, A.V.; DMITRIYEV, I.I.; UGCHETS, I.I.; BEKHTIN, N.V.; VOZNESENSKIY, A.H.; VASILENKO, P.I.; BOROVOY, A.A.; NOSOV, R.P.; ERISTOV, V.S.; BELYAKOV, A.A.; RUSSO, G.A.; VASILYEV, A.F.; REPKIN, V.P.; TERMAN, I.A; ORLOV, G.M.; CHUMACHENKO, N.A.; BESCHINSKIY, A.A.; YAROSH, V.F.

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End of the Shaman Stone. IUn.tekh. 3 no.12:10-11 D'58.
(MIRA 12:1)
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Angara billions. Nauka i zhizn' 28 no.10:56-57 0 '61.

(Mika 15:1)

(Angara River--Hydroelectric power stations)

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1. Ministerstvo zdravookhranenyia Chekhoslovakii, Praga. Adres avtora: Ing. J. Jaros, Praha XII, Tr. W. Piecka 98, Ministerstvo zdravotnictvi. (NEOPIASMS, statist.

sex factor in mortal. in Czech.)

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Pratsi Inst. geol. kor. kop. AN URSR 4:45-54 '61. (MIRA 16:7)

(Stanislav Province—Petroleum geology)
(Stanislav Province—Gas, Natural—Geology)

YAROSH, B.I.; YAROSH, Ye.N.; WITRIK, S.P.; KHRIPTA, I.I.; KOSTYUK, O.I.

Features of the geological structure and oil and gas potential of the Kokhanovka-Svidnitsa oil field. Neftegat. geol. i geofiz. no.6:3-8 '64. (MIRA 17:8)

l. Institut goryuchikh iskopayemykh AN UkrSSR, Ukrainskiy nauchnc-issledovatel skiy geologorazvedochnyy institut i treat "L'vovnefte-gazrazvedka".

PETROVA, L.A.; YAROSH, Ye.P.; KANTOR, B.B.

Salt separation of the products of the acetonation of sorbose.

Trudy VNIVI 6:41-47 159. (MIRA 13:7)

1. Sinteticheskaya laboratoriya Vsesoyuznogo nauchno-issledovatel skogo vitaminnogo instituta i Leningradskiy vitaminnyy zavod No.1. (SORBOSE)

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AUTHORS:

Farberov, M. I., Ustavshchikov, B. F., Kut'in, A. M.,

Vernova, T. P., Yarosh, Ye. V.

TITLE:

Technical Synthesis of 2-Methyl-5-Ethyl Pyridine and 2-Methyl-5-Vinyl-Pyridine, and Their Fields of Application (Tekhnicheskiye sintezy 2-metil-5-etilpiridina i 2-metil-5vinilpiridina i oblasti ikh primeneniya)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 5, pp 92-99 (USSR)

ABSTRACT:

The authors took the synthesis of 2-methyl-5-ethyl pyridine (MEP) from acetaldehyde and ammonia with a further dehydrogenation to 2-methyl-5-vinyl pyridine (MVP) as a basis for the working out of technical synthesis of these two substances. The papers recently published in patents (Refs 11-13) tend to show an intense elaboration of these reactions. There are, however, no publications on the first, and especially on the second stage of this process. The authors first clarified the most important rules governing the reaction between acetaldehyde and ammonia for the purpose of an industrial utilization. 1) Syncthesis of 2-methyl-5-ethyl p y r i d i n e. Acetaldehyde is used as paraldehyde. This

Card 1/4

SOV/153-58-5-16/28

Technical Synthesis of 2-Methyl-5-Ethyl Pyridine and 2-Methyl-5-Viryl Pyridine, and Their Fields of Application

offers much higher yields. Stoichiometric ratios (1.33 mol paraldehyde per 1 mol ammonia) could, however, not secure a sufficiently high MEP yield. The optimum ratio amounts to at least 4 mol ammonia per 1 mol paraldehyde. The presence of larger quantities of water has a favorable effect. The opinions on the formation mechanism of MEP in literature contradict each other (Ref 14). Up to 30 different salts, among them ZnCl2, FeCl2, Secl3, Cocl2, Nicl2, CH3 COONA, NH4Cl, CH3 COONH4, NH4F, NH4F. HF, KF, KHF, and others served as catalysts. A catalyst was selected which corresponds to the technical process. Its concentration usually amounts to 1-2% of the paraldehyde. The reaction takes also place without catalyst, however, with much smaller yields. 2) Dehydrogenation of 2-methyl-5ethyl pyridine. Synthesis of 2 - methyl -5 - v i n y 1 p y r i d i n e. The best industrial dehydrogenating catalysts served for dehydrogenation: K-10 and K-12, which consist of zinc oxide, chromium oxides, iron and aluminum oxides, activated with potassium oxide. The partial pressure is

Card 2/4

SOV/153-58-5-16/28 Technical Synthesis of 2-Methyl-5-Ethyl Pyridine and 2-Methyl-5-Vinyl Pyridine, and Their Fields of Application

best decreased by dilution with steam. Figure 2 shows typical dehydrogenation curves of MEP (catalyst K-12 at 5750). Under optimum conditions the MVP yields per passed MEP amounted to 20-25%, and per decomposed MEP to 70-75%. 3) I solation and s t a b i l i z a t i o n of MVP, i.e. the separation of MEP from MVP is a difficult process as their boiling points are close to each other (176.7 and 1870). Furthermore MVP is easily polymerized. For this reason a high vacuum is required. Sulfur, picric acid, a-nitrosc-\$-naphthol and sulfurous methyl amino phenol (Figs 3,4) were the best stabilizers of some dozens investigated. 4) Equipment and apparatus for t h e MVF s y n t h e s i s. Figure 5 shows a corresponding scheme. 5) The scheme (p 98) shows some more syntheres proceeding from MEP (Refs 15, 16). 6) Finally, rubber and latex types on MVP basis are discussed. Some of them show better adhesion to cord from viscose and nylon, high elasticity, frost resistance, and resistance to wear and tear. Some branches of industry announce at present a high demand for those rubber types. There are 5 figures and 18 references, 6 of which are Soviet.

Card 3/4

Technical Synthesis of 2-Methyl-5-Ethyl Pyridine and 2-Methyl-5-Yeryl Pyridine, and Their Fields of Application

ASSOCIATION: Yaroslavskiy tekhnologicheskiy institut 1 opytnyy zavod Ministerst-

va khimicheskoy promyshlennosti (Yaroslavi Technological

Institute and Test Plant of the Ministry of Chemical Industry)

SUBMITTED: December 28, 1957

Card 4/4

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ROZHANSKIY, Z.Ye., inzh.; SHRAMKO, Yu.S., tekhnik; ZAIKA, N.V., tekhnik; YAROSH, Yu.V., tekhnik; ARONSON, V.R., tekhnik

An impulse signaling device using transistors. Energetik 10 no.12:17-19 D '62. (MIRA 16:1) (Electric relays) (Electric networks)

MLODOK, B. I.: YAROSH-YAROSHEVSKIY, I.M.

"Laningrad", a new type of continuous gas water heater of great calorific power. Gas.prom. 5 no.11:17-21 N '60. (MIRA 13:11)
(Gas appliances) (Water heaters)

KOSHNITSKIY, I.N., dotsent; KRICHKOVSKIY, G.F.; VERBITSKAYA, L.P., dotsent; LYSENKO, N.I.; BIRBRAYER, M.L.; ALENGOZ, N.G.; LOKHMATOV, D.P.; YAROSHCHUK, A.A.

State of health of workers in the graphite industry. Vrach. delo no.8:134 Ag163. (MIRA 16:9)

1. Odesskiy meditsinskiy institut.
(NO SUBJECT HEADINGS)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962210004-6"

YAROSHCHUK, A.A.

Duration of treatment of patients with pulmonary tuberculosis by an artificial pneumothorax in combination with antibacterial therapy. Probl. tuberk. 41 no.2:18-22 163 (MIRA 17:2)

1. Iz kafedry tuberkuleza (zav. - dotsent M.I. Taranenko) Odes-skogo meditsinskogo instituta imeni N.I. Pirogova.

MEL'NIK, Yu.P.; YAROSHCHUK, M.A.

Find of scheelite in metasomatites of the Krivoy Rog region. Zap. Vses.min.ob-va 92 no.2:246-250 '62. (MIRA 15:6)

1. Institut geologicheskikh nauk AN USSR, Kiyev.
(Krivoy Rog Basin-Scheelite)
(Krivoy Rog Basin-Metasomatite)

group of meg	netic anomalies. Geo	e rocks of the Volodarak 1. zhur. 24 no.4:36-49 464. (MIRA 18:2)	
1. Institut	geologicheakikh nauk	AN UkrSSR.	

STRYGIN, A.I. [Stryhin, O.1.]; YAROSHCHUK, M.A. [JAroshchuk, M.O.]

Granitizution of skurns (Ukrainian Shield). Geol. zhur. 25
no.3:79-86 '65. (MIRA 18:11)

1. Institut geologicheskikh nauk AN UkrSSR.

LOGINOV, A., kand.pedagog.nauk; KOVACH, S.K. (g.Satanov, Khmel'nitskoy obl.); BAYEV, S.Ya., uchitel'; POPOVA, A.N., uchitel'nitsa; ZAMULIN, G.T.; YEMEL'YANOVA, T.I.; PYATNITSKIY, M.P.; YAROSHCHUK, M.A., uchitel'; CHISTYAKOV, V.M., uchitel'; LENSHIN, A.S. (g. Novosibirsk); NOSKOV, V.I., (g.Feodosiya); RUD', K.A., uchitel'nitsa; VASIK, G.Ye., uchitel'; GAPONENKO, I.M.

Editor's mail. Khim. v shkole 15 no.3:73-78 My-Je '60. (MIRA 14:7)

1. Pedinstitut, g. Ulan-Bator (for Loginov). 2. Ordzhonikidzevskaya srednyaya shkola No.5, Stavropol'skiy kray (for Bayev). 3. Nikiforovskaya shkola sel'skoy molodezhi, Tambovskoy oblasti (for Popova). 4. Pedagogicheskiy institut g. Krasnodara (for Zamulin, Yemel'yanova, Fyatnitskiy). 5. Srednyaya shkola No.8, g. Vinnitsy (for Yaroshchuk). 6. Srednyaya shkola sovkhoza "Spartak" Saratovskoy obl. (for Chistyakov). 7. Srednyaya shkola No.14 g. Stalina (for Rud'). 8. Shkola No.569 g. Moskvy (for Vasik). 9. Pedagogicheskiy institut, g. Novozybkov (for Gaponenko). (Chemistry—Study and teaching)

YAROSHCHUK, N.A., uchitel'

Apparatus for obtaining white phosphorus. Khim. v shkole 17 no.2: 62-63 Mr-Ap '62. (MIRA 15:3)

1. Srediyaya shkola No.8, g. Vinnitsa. (Chemical laboratories—Aparatus and supplies) (Phosphorus)

YAROSHCHUK, N. A., uchitel

Preparation of magnesium silicide and silicohydride. Khim. v shkole 17 no.6:68 N-D '62. (MIRA 16:1)

1. Srednyaya shkola No. 8, Vinnitsa UkrSSR.

(Silicon hydrides) (Magnesium silicides)

The role of the recognition of type signs in the solution of arithmetical problems of a definite type [with summary in English]. Vop.psikhol. 5 no.1:103-113 Ja-F '59. (MIRA 12:4) 1. Pedagogicheskiy institut inostrannykh yazykov, Odessa. (Arithmetic—Study and teaching)

Peculiarities in the formation of arithmetical concepts in pupils

Peculiarities in the formation of arithmetical concepts in pupils

when work is organized around the standard features of a problem.

When work is organized around inst. paykhol. 11:134-139 '59'

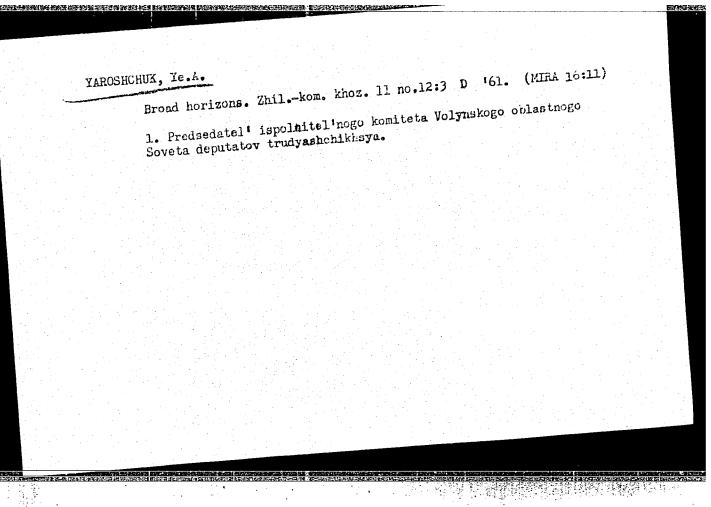
Nauk. zap. Nauk. dosl. inst. paykhol. 11:134-139 '59'

(MIRA 13:11)

1. Fedagogicheskiy institut inostrannykh yazykov, Odessa.

(Number concept)

		1904 To.
	YAROSHCH'K YE.	
7786.	YAROSHCHUK YE.—V Pomoshch' Sadovodu. Kursh, KN. 12D., 1954. 196 s. ill. zo sm. 8.000 EKZ. zr. 65 K. (55-4286) P 634. 1/7 (47.394.47.395.1)	
S 0:	Knizhnaya Letopisi, Vol. 7, 1955	



- 1.8000 10.8100 8/021/60/000/010/010/016 D251/D303

AUTHOR:

Yaroshek, A.D.

TITLE:

Method and apparatus for the testing outer layers

of machine elements without destruction

PERIODICAL:

Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 10,

160, 1369 - 1371

TEXT: The author proposes a method for testing the outer layers of machine elements to a depth of 0.2 - 0.3 mm. The test is carried out in a weak electromagnetic field (1 - 2e) which makes it possiout in a weak electromagnetic field (1 - 2e) ble to eliminate the influence of the field strength on the magnetic permeability and the heating of the element. A sensor of the laid-on coil or communicating coil type is used. Fig. 1 gives the circuit diagram. L is the sensor, C a condenser, E the generator and an additional resistance. The inductance of L and the condensor C in parallel with it produce a wave-contour which gives the feed from E to Radd. During the experiment two quantities vary card 1/3

Method and apparatus for ...

S/021/60/000/010/010/016 D251/D303

simultaneously - the stress on the contour with resonance and the capacity. The variation of these quantities, when the sensor is moved from a place where there is a defect to a place where there is not, is unknown, but may be compensated for in a sensor of high sensitivity. Figures show the sensitive elements of sensors of the communicating coil and laid-on coil types respectively. By using specially designed sensors, elements of intercate shape may be fects of the author claims that this method overcomes several defects of the method of F. Förster (Ref. 1: Zeitschrift für Metallkunde, 5, 163, 1952; 8, 346, 1953; 4, 166, 1954). There are 4 figures and 1 non-Soviet-bloc reference.

K

ASSOCIATION: Instytut budivel'noyi mekhaniky AN URSR (Instatute of Construction Mechanics AS UkrSSR)

PRESENTED: by F.P. Byelyankin, Academician AS UkrSSR

SUBMITTED: November 19, 1959

Card 2/3

28695 \$/021/60/000/012/003/006 D251/D302

18000

2607

Hrozin, B.D. (Corresponding Member AS UkrSSR);

Semyroh-Orlyk, V.M.; and Yaroshek, A.D.

TITLE:

AUTHORS:

Investigating the quality of the outer layers of

roller ball-bearing races without destruction

PERIODICAL:

Akademiya nauk Ukrayins'kyoi RSR. Dopovidi,

no. 12, 1960, 1598-1602

The authors state that the possibility of controlling the outer layers of machine elements without destruction is of great significance in determining their reliability and working great significance in determining their reliability and working life. The authors investigated this possibility by means of eddy currents. The method used was that described by A.D. Yaroshek currents. The method used was that described by A.D. Yaroshek (Ref. 1: DAN URSR, 1369, (1960)) using a sensor of the plated-coil type, with a sensitive element, consisting of am iron-clad coil type, with a sensitive element, and a coil of 30 turns of carbonyl coating of type C6-1 (SB-1), and a coil of 30 turns of NEJ (PEL) 0.1 wire. Part of the coating of the sensor which touches the element is ground to the form of the upper track,

Card 1/2

Investigating the quality ...

S/021/60/000/012/003/006 D251/D302

and during the investigation, the sensor moves along this track. The magnitude of the resonance stress U and the resonance capacity C for various frequencies (2°106, 106, 0.5°106 and 0.2°106) which correspond to different depths 0 of the penetration of the eddy current into the steel (20, 40, 60 and 100 mk) were measured. The obtained results are represented in graphical form. By means of this method various kinds of defects such as sections of different structure, fissures, the presence of non-metallic foreign bodies, etc., may be detected in the outer layers of the element. There are 4 figures and 1 Soviet-bloc reference.

ASSOCIATION:

Instytut mekhaniky AN URSR (Institute of Mechanics

AS UkrSSR)

SUBMITTED:

July 30, 1960

Card 2/2

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962210004-6"

S/032/60/026/011/018/035 B004/B067

19600

AUTHOR:

Yaroshek, A. D.

Study of the External Layers of Machine Parts by Means of

TITLE: Study of the Eddy Currents

Zavodskaya laboratoriya, 1960, Vol. 26, No. 11,

PERIODICAL: Zavodskaya laboratoriya, 1900, voi. 20

TEXT: The present paper is based on the papers by F. Forster (Refs. 1,2) on the steel control by means of eddy currents. The author developed this method for the flaw detection on thin surface layers of paramagnetic machine parts. A core of a shell transformer is used which is directly applied to the metal to be tested. The frequency is varied between applied to the metal to be tested. The frequency is varied between 4.10 - 10.10 cps thus allowing layers between 15 and 300 \mu to be controlled. The resonance voltage U and the resonance capacity C were trolled. The duration of measurement was 10 - 15 sec. The practical experiments were made with rings of ball bearing of MX 15 (ShKh15) steel under the assistance of B. D. Grozin, V. N. Semirog-Orlik, and S.B. Nizhnik.

Card 1/2

Study of the External Layers of Machine Parts S/032/60/026/011/018/035 by Means of Eddy Currents B004/B067

Results: Cracks, nonmetallic inclusions, and carbide deposits can be distinctly observed. The instrument indications could be confirmed by metallographic examination. Furthermore, the different types of steel can be distinguished with the aid of this method, i.e., by comparing the measurement values of U and C with those of the standards provided sample and standard had been subject to the same preliminary thermal treatment. There are 5 figures, 1 table, and 3 references: 1 Soviet and 2 German.

ASSOCIATION: Institut mekhaniki Akademii nauk USSR (Institute of Mechanics of the Academy of Sciences of UkrSSR)

Card 2/2

\$/021/61/000/003/008/013 D274/D301

1.1710

Grozin, B.D., Corresponding Member AS UkrSSR, and

Yaroshek, A.D.

AUTHORS: Method of non-destructive control of heat treatment

of outer layers of machine parts

TITLE: Akademiya nauk UkrSSR. Dopovidi, no. 3, 1961, 321-

PERIODICAL:

The heat treatment is controlled by eddy currents and an inductance-type transducer, by the method of A.D. Yaroshek (Ref. 1: Zav. lab., 11, 1256 (1960)). The measured parameters of the transducer are the resonance voltage U and the resonance capacitance C. queer are the resonance voltage U and the resonance capacitance U. For the investigation, specimens of steel UIX 15 (ShKh 15), Y8A (U8A) and steel 45, were prepared. The specimens were heat treated and then cooled in air. The investigations were conducted at the frequencies $2 \cdot 10^6$, $500 \cdot 10^3$, $200 \cdot 10^3$ and $40 \cdot 10^3$ cycles which penetrate the steel to a depth of 20, 60, 100 and 200 μ , respectively. Figther steel to a depth of 20, 60, 100 and 200 μ , respectively.

Card 1/3

28703 S/021/61/000/003/008/013 D274/D301

Method of non-destructive control ...

ures show the obtained curves $U = f(t^0)$, $C = \phi(t^0)$ and $H_W = \psi(t^0)$, (to denoting annealing temperature, and H - hardness). From the figures it is evident that the C-curve has a minimum at 300°C, and a maximum at 500-600°C. As the change in C is mainly related to changes in permeability, the form of the C-curve can be explained as follows: At temperatures up to 300°C, simultaneous decomposition of residual austenite, of martensite and of troostite take place. These processes lead to an increase in permeability and to a decrease in C. Temperatures up to 500-600°C lead to a certain decrease in permeability. The form of the U-curves depends on the relationship between energy losses by eddy currents and by magnetic hysteresis. From the graphs it follows that up to 300°C, control of heat treatment can be effected by the values of U or C, whereas between 0-700°C, control can be effected by the value of U, (C cannot be used over this range). Joint inspection of C and U are used for control over the entire frequency range. The measurement error of U and C does not exceed 0.2-0.3%. The advantages of the above control method are: Non-destructive control, possibility of control-

Card 2/3

Method of non-destructive control...

S/021/61/000/003/008/013 D274/D301

ling various sections of parts, of controlling fairly complex parts, of automation, high speed of measurement (10-15 sec), etc. There are 3 figures and 3 Soviet-bloc references.

ASSOCIATION:

Instytut mekhaniky AN USSR (Institute of Mechanics

SUBMITTED:

October 26, 1960

Card 3/3

CIA-RDP86-00513R001962210004-6" **APPROVED FOR RELEASE: 09/01/2001**

8000

S/021/61/000/006/006/009: D247/D301

AUTHOR:

Yaroshek, A.D.

TITLE:

Separating the types of defects on checking the qua- W lity of the outer layers of machine parts by the method

of eddy currents

PERIODICAL: Akademiya nauk Ukrayins koyi RSR, Dopovidi, no. 6,

1961, 731 - 735

TEXT: It is often necessary to know the type of surface defect before the usefulness of the component can be assessed. The author describes the method, whereby simultaneous measurements of values U and C (e.m.f. and capacity) at different frequencies are made as the pick-up shown in Fig. 1 is moved on the inspected surface. Peaks or gradual changes of tension U are observed as the pick-up encounters sharp local changes (cracks) for a non-uniform structure. The pick-up of superimposed coil (Fig. 1) excites a ring of current of outer an inner diameters B and D, respectively. Moving the

Card 1/4

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962210004-6"

S/021/61/000/006/006/009 D247/D301

Separating the types of ...

when a defect enters zone A and two peaks when it enters zone D. Movement in the direction of arrow K gives other coordinates of the defects. Structural changes are determined similarly. The method also gives a non-destructive means of checking heat treatment of steels Y8A (U8A), WX15 (ShKh15) and 451 in a wide range of tempers. B.D. Hrozin and the author designed a directional pick-up of superimposed coil type for locating surface stresses from matching surface deformations. The coil in this pick-up is wound on a rectangular instead of circular core. As the angle of this pick-up is varied the output will show extreme values for direction parallel and perpendicular to the flow of deformation. To differentiate between residual stresses and other defects both types of pick-up should be used in succession. To test stress sensitivity, the directional pick-up was applied to a specimen in torsion. It was found that the pick-up becomes very sensitive only when the elastic limit of the material is exceeded. The direction of plastic deformation can be determined by noting that U is much smaller along

Card 2/4

S/021/61/000/006/006/009 D247/D301

Separating the types of ...

the flow of deformation than across it. There are 4 figures and 5 Soviet-bloc references.

ASSOCIATION: Instytut mekhaniky AN URSR (Institute of Mechanics: AS UkrSSR)

January 12, 1961 SUBMITTED:

NAZARENKO, G.T. [Nazarenko, H.T.]; YAROSHEK, A.D.

Studying the fatigue process in rolling friction by the method of eddy currents. Dop. AN URSR no.3:370-374 '62. (MIRA 15:5)

1. Institut mekhaniki AN USSR. Predstavleno akademikom AN USSR F.P.Belyankinym [Bieliankin, F.P.]. (Metals—Fatigue) (Friction)

- 1,11,87 S/198/62/008/005/006/009 D234/D308

Yaroshek, A. D.

AUTHOR: TITLE:

Method and apparatus for testing the quality of exter-

nal active layers of machine components without des-

troying them

PERIODICAL:

Akademiya nauk Ukrayins koyi RSR. Instytut mekhaniky Prykladna mekhanika, v. 8, no. 5, 1962, 552-555

TEXT: The above method and apparatus have been developed at the Institute of Mechanics, AS UkrSSR. Tests are carried out in weak electromagnetic fields, first to a depth of 15 microns, increasing gradually to 300 microns. The range of frequencies used is 30.103 to 4.106 c/s. A pick-up moves along the surface of the component and induces eddy currents in the external layer, causing variations in the parameters of the pickup coil. From these variations the presence of inhomogeneities in the layer can be determined. The measuring circuit is described. The measured quantities are the resonance voltage U and the resonance capacity C. The pickup can be

Card 1/2

CIA-RDP86-00513R001962210004-6"

APPROVED FOR RELEASE: 09/01/2001

Method and apparatus ..

S/198/62/008/005/006/009 D234/D308

raised above the surface up to 20 microns at high frequencies and up to 150 microns at low frequencies without affecting the measurement. The error does not exceed 0.5% in many cases and the duration of measurement is 10-15 sec. The whole apparatus consists of a stabilizer, current generator, measuring device for U and capacitor box. It is assembled as an instrument 'Defectoscope \mathcal{A} -3 (D-3)'; dimensions are 450 x 290 x 260 mm and weight approximately 15 kg. In addition, four types of pickups have been developed: 1) one having a special core made of carbonyl iron, inside which is placed the inductance coil, this type being used for testing cylindrical components; 2) a similar type used for testing components of complex shape; 3) a small-size pickup whose sensing element consists of a core of nickel-zinc ferrite ϕ -600 (F-600) of a special shape, and a coil; this type is used for testing very small areas; 4) a pickup with directed sensitivity characteristic, producing eddy currents flowing along a rectangle. There are 3 figures.

ASSOCIATION: Instytut mekhaniky AN USSR (Institute of Mechanics, AS UkrSSR)

SUBMITTED: May 16, 1962

Card 2/2

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L 39930-65 EMT(d)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/

EWP(b)/EWP(1) Pf-4 MJW/JD ACCESSION NR: AP4042821

S/0021/64/000/007/0899/0901

22

AUTHOR: Yaroshek, A. D.

21 B

TITLE: Determining the full depth of penetration of eddy currents into steel during the nondestructive quality control of the active outer-layers of machine parts

SOURCE: AN UKrRSR. Dopovidi, no. 7, 1964, 899-901

TOPIC TAGS: quality control, eddy current, eddy current penetration, steel surface layer, nondestructive control/steel ShKh15

ABSTRACT: The full penetration depth ($\delta\pi$) of eddy currents was determined within \pm 10% on ShKh15 steel at a frequency range of 30 x 10³ - 4 x 10⁶ cps according to a previously developed method. Comparing the data obtained with those from the literature, the author concludes that the two are in agreement. This precise determination of $\delta\pi$ is sufficient for the control of the outer layers of machine parts. For steels that differ only slightly in their magnetic and electrical characteristics from ShKh15, $\delta\pi$ can be determined by the chart obtained for ShKh15 steel. The penetration depth for materials with magnetic and electrical characteristics differing significantly from those of ShKh15 can be obtained experimentally according to methods proposed in earlier papers. Orig.

Card 1/2

ь 39930-65

ACCESSION NR: AP4042821

art. hag: 3 figures and 3 formulas.

ASSOCIATION: Instytut mekhaniky AN URSR (Mechanics Institute, AN UkrSSR)

SUBMITTED: 09Jul63

ENCL: 00

SUB CODE: MM. EM

NO REF SOV: 005

OTHER: 000

(2/2 Card

YAROSHEK, A.D.

Apparatus for controlling the small sections of external layers of ferromagnetic parts. Zav. lab. 30 no.11:1403-1404 164 (MIRA 18:1)

1. Institut mekhaniki AN UkrSSR.

YAROSHEK, L.I.; SAMOYLOVA, A.E.

Detection of streptococcal antigens in the urine of patients with rheumatic fever and rheumatoid arthritis. Vop. revm. 3 (MIRA 17:3) no.3:45-48 JI-S'63

1. Iz revmatologicheskoy kliniki (zav. M.S. Belen'skiy) Ukainskogo nauchno-issledovatel skogo instituta kurortologii i fizioterapii (direktor-dotsent F.Ye. Kurkudym) i kafedry mikrobiologii (zav. - prof. S.M. Minervin) Odesskogo meditsinskogo instituta.

CIA-RDP86-00513R001962210004-6"

APPROVED FOR RELEASE: 09/01/2001

DENISOV, Ivan Pavlovich; YAROSHEN*; I.F., kand. tekhn. nauk, retsenzent; RYABININ, V.Ya., kand. tekhn. nauk, retsenzent; MITROFANOVA, N.P., kand. tekhn. nauk, retsenzent; MOLCHANOVSKIY, A.S., red.; FRIDKIN, L.M., tekhn. red.

[Principles of the use of water power] Osnovy ispol'zovaniia vodnoi energii. Moskva, Izd-vo "Energiia," 1964. (MIRA 17:4)

1. Vsesoyuznyy zaochnyy energeticheskiy institut (for Yaroshen Ryabinin, Mitrofanova).

sov/20-120-4-27/67

AUTHORS:

Kuskov, V. K., Benikh, G. F., Yaroshenko, A. B.

TITLE:

A New Method of Production of Cxyalkylphosphinic Acids (Novyy sposob polucheniya oksialkilfosfinovykh kislot)

Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 4, pp. 786-788

PERIODICAL:

(USSR)

ABSTRACT:

The esters of boric acid mact with phosphorus trichloride not even in case of boiling. On the other hand it easily decomposes phosphorusoxychloride when heated in a water bath; at 0, however, the reaction proceeds very slowly. In this paper the authors found that boric esters can be easily phosphorylated according to Soborovskiy-Zinov'yev-Englin's reaction (Ref 2) when the reactants are sufficiently cooled. Without cooling phosphoreus trichloride is oxydized to oxychloride. At first the mentioned reaction was investigated with tributylborate and triisobutyl borate taken as examples. The ratios of mixture of the reactants and the process of reaction are described. By phosphorylation of trimethyl borate and tribenzyl borate α-oxylosphinic acids were

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sov/20-120-4-27/67

A New Method of Production of Oxyalkylphosphinic Acids

obtained (formerly also from corresponding aldehydes, kefs 4, 5). From butyl corate crystal-like oxybutylphosphinic acid was obtained. From triethyl borate oxyethylphosphinic acid was successfully produced as a not pure lead salt. It is apparently a salt of the unstable β -oxyethylphosphinic acid. The remaining phosphinic acids were produced as lead salts which cannot be crystallized in free state. They possibly form mixtures of polymers. In connection with the treatment of icobutyl horate it was attempted to change the obtained chloroanhydrides into ethyl ethers. This was carried out by treatment with ethanol in the presence of pyridine (as in Ref 7). The ether mixture obtained could not be distilled. The attempt of distilling triethyl phosphate in a vacuum resulted in a polymerization. One pyrophosphate could, however, be produced (according to Ref 8). Those compounds had a molecular weight of 1300-1400 instead of the computed 963 and they were apparently polyphosphates. The ethers produced are not very efficient as insecticides against calandra granaria. There are 1 table and 9 references, 3 of which are Soviet.

Card 2/3

SOV/20-120-4-27/67

A New Method of Production of Oxyalkylphosphinic Acids

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

PRESENTED: November 5, 1957, by S. 1. Vol'fkovich, Member, Academy of

Sciences, USSR

SUBMITTED: October, 16, 1957

1. Phosphinic acids—Production 2. Boric acid esters—Chemical

analysis 3. Phosphinic acid esters--Properties 4. Lead salts

---Properties

Card 3/3

YAROSHENKO, A.D., kand.istor.nauk

Life full of struggle. Nauka i zhyttia ll no.8:51 Ag '61.
(HIRA 14:12)
(Liebknecht, Karl, 1871-1919)

YAROSHENKO, A. F.

36793. GUSEVA, A 7A. Khorosho podgotovit' zimovku kolkhoznogo skota. Sota. sel. khoz-vo Uzbekistana, 1949, No. 4., c. 65 - 69

SO: Letopis Zhurnal'ynlk Statey, Vol. 50, Moskva, 1949

- 1. YAROSHENKO, A. F.
- 2. USSR (600)
- 4. Soviet Central Asia Sheep Shearing
- 7. Shearing sheep by electricity on collective farms of Central Asia. Sots. zhiv. 15, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

AKOPYAN, A.A., kard.tekhn.nauk; PANOV, A.V., kand.tekhn.nauk; SHM.TOVICH, V.V., kand.tekhn.nauk; YARGSHENKO, A.I., inzh.

Overvoltage levels and insulation requirements in 700 kv. a.c. power transmission lines. Vest.elektroprom. 33 no.2:4-11 F 162.

(Electric power distribution—Alternating current)

(Electric power distribution—Alternating current)

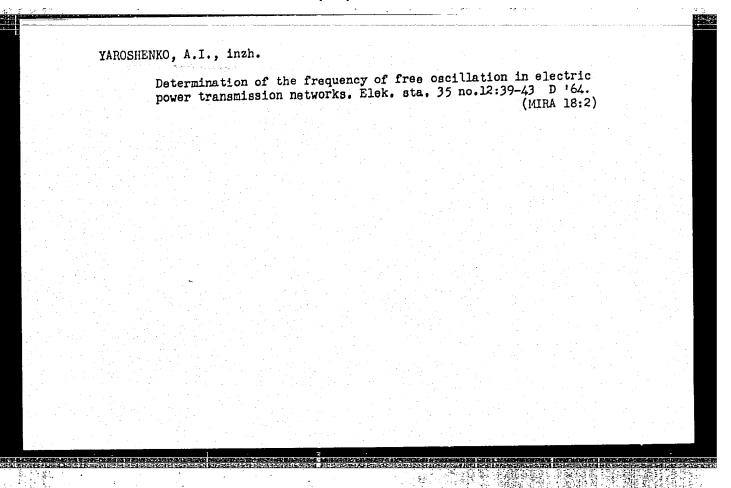
AKOPYAN, A.A., kand.tekhn.nauk; FETIN, V.P., kand.tekhn.nauk; YAROSHENKO,
A.I., inzh.

Combination dischargers for 500 kv. networks and their test results.

(MIRA 15:3)

Elek.sta. 33 no.2:54-59 F '62.

(Electric power distribution)(Electric protection)



L 10022-67 EWT(1)

ACC NR: AP6023609

SOURCE CODE: UR/0105/66/000/007/0012/0017

AUTHOR: Yaroshenko, A. I. (Engineer)

25

ORG: All-Union Electrotechnical Institute (Vsesoyuznyy elektrotekhnicheskiy

institut)

TITLE: Operation of valve-type lightning arresters on 750-kv transmission lines

SOURCE: Elektrichestvo, no. 7, 1966, 12-17

TOPIC TAGS: transmission line, lightning arrester, electric power transmission

ABSTRACT: General conditions re operation of lightning arresters in 750-kv systems are set forth. A brief review of Soviet publications on the subject reveals this rule: a valve-type magnetic lightning arrester will reliably interrupt its current if the recovery voltage does not exceed 1.6 phase voltage. Both typical 750-kv power transmission systems recommended by the Energoset proyekt

Card 1/2

UDC: 621.316.933

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ACC NR: AP6023609

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Institute do not satisfy the above condition. The recovery voltages can be reduced by increasing the capacity of compensating reactors; this can be accomplished by shunting a part of the reactor winding with a sparkgap, by providing reactors with additional delta-connected windings, or by some other means. The recovery-voltage / reactor-capacity relations were explored on a transmission-system simulator (curves shown). The effects of automatic excitation regulator and transformer saturation on the recovery voltage proved (in the simulator study) to be insignificant. Orig. art. has: 6 figures, 1 formula, and 2 tables.

SUB CODE: 09 / SUBM DATE: 18May65 / ORIG REF: 004

Card 2/2 egk

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962210004-6"

YAROSHENKO, A.N.

Content of vitamins B6 and B2 in the blood serum in alveolar pyorrhea before and after treatment. Stomatologiia 41 no.58 (MIRA 1684) 9-11 S-0 '62.

1. Iz kafedry terapevticheskoy stomatologii (zav. prof.
Ye.Ye.Platonov) i kafedry propedevtiki vnutrennikh bolezney
(zav. prof. N.A.Al'bov [deceased]) Moskovskogo meditainskogo
stomatologicheskogo instituta.
(GUMS_DISEASES) (PYRIDOXINE) (CYANOCOBALAMINE)

VILIDT, M.O., assistant; YAROSHENKO, A.N., aspirant

Changes in the capillary permeability in patients with paradentosis treated with vitamin B6. Teor. i prak.stom. no.6:109-114 '63. (MIRA 18:3)

1. Iz kafedry propedevtiki vnutrennikh bolozney (zav. - prof. N.A. Al'bov [deceased]) i kafedry terapevticheskoy stomatologii (zav. - prof. Ye.Ye.Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta.

L 15670-66 EWT(m)/T

> ACC NR: AP6000202

SOURCE CODE: UR/0056/65/049/005/1463/1469

AUTHORS: Karpenko, D. Ya.; Yaroshenko, A. P.

ORG: Dnepropetrovsk State University (Dnepropetrovskiy gosudarstvennyy universitet)

TITLE: Vector meson in a Coulomb field 19,44,55

SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 49, no. 5, 1965,

TOPIC TAGS: vector meson, boson, matrix function, quantum mechanics, spinor, Coulomb field in tegral equation
ABSTRACT: The authors show that Kepler problem for a boson can be solved in simpler

fashion in the Kemmer representation, using for this purpose the theory developed for projection operators by A. A. Borgardt (Algebraicheskiye metody v teorii chastits tselogo spina [Algebraic Methods in the Theory of Particles with Integer Spins], Dnepropetrovsk, 1964). In particular, the motion of bosons of spins 0 and l in a Coulomb field is treated on the basis of a 16-row Kemmer representation. The properties of the spin-angle functions involved in the calculations are described and the integrals of motion which completely classify the states are deter-

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ACC NR: AP6000		narts of t	ne initial e	quation can	be separated	l by thod is
mined. The ra	dial and angular integrals of mot that used for a	ion and a so	et of projecticle. Author	rs are grate	ful to A. A	s.
compared with	iscussions of the	ne results o	f the paper	and Ior. vare		
	3: 41 formulas. 12/[SUBM_DATE:_				F: 004	
SUB CODE: 20,	(2) LSUBM_DATE:	2,10,000				
					٠.,	
$f(\lambda)$						

ROSSIKHIN, V.V.; YAROSHENKO, A.P.

Energy levels, magnetic and quadrupole moments of slightly deformed nuclei. Trudy DKHTI no.16:75-83 '63. (MIRA 17:2)

SEMENOV, L.N.; YAROSHENKO, A.P.

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Simplified design of an apparatus for corrosion testing by the alternating immersion of samples coated with paint materials. Lakokras.mat.i ikh prim. no.1:73-74 '62. (MIRA 15:4) (Materials-Corrosion) (Protective coatings)

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no.5:1463-1469 N '65.

1. Dnepropetrovekiy gosudarstvennyy universitet.

YAROSHENKO, A.R. (Khar'kov)

Stressed state of a toroidal shell with an elliptic cross section. Prikl. mekh. 1 no.3:41-52 '65. (MIFA 18:7)

1. Laboratoriya gidravlicheskikh mashin All UkrSGR.

 L 5. 294-65 - 1011/001686 (WO/FRE(A)/FRE(V)/EFR/ENF(K)/EHA(h) Pf-4/Pg-4 ACCESSION NR: 495011586 (WO/FRE(A)/FRE(V)/EFR/ENF(K)/EHA(h) Pf-4/Pg-4

AUTHOR: Yaroshenko, A. R. (Khar'kov)

TITLE: Stressed state of a toroidal shell with an elliptical cross section

SOURCE: Prikladnaya mekhanika, v. 1, no. 3, 1965, 41-52

TOPIC TAGS: stress analysis, stress distribution, elliptical shell structure, complex variable, ordinary differential equation

ABSTRACT: The stress distribution was studied analytically in a toroidal shell with an elliptic cross section as shown in Fig. 1 on the Enclosure. To obtain the resolvents of the problem, the following type of equation is considered

where $c = \frac{\delta}{\sqrt{12(1-\mu^2)}}$, $-ic\frac{1}{R_1R_2\sin\theta}\frac{d}{d\theta}\left[\frac{R_2^2\sin\theta}{R_1}\frac{dT}{d\theta}\right] + \widetilde{T} = T_1^* + T_2^*$

 \tilde{T} - is the complex resolvent function, and σ is the shell thickness. Expressions for the radii of curvature are obtained from Fig. 1, simplified to the two special cases of $\mathcal{Q} = \frac{\pi}{2}$, 0. The resulting equations are reduced to the general form Cord 1/5

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ACCESSION NR: AP5011588

$$e^{\frac{d}{dx}\left[p(x)\frac{dY}{dx}\right]+\left[q(x)+e^{x}(x)\right]Y=f(x)}$$

The homogeneous part of this differential equation is given in terms of Airy functions. Four types of tubular equalizer are considered as particular examples of the problem (see Fig. 2 on the Enclosure). For each case simplified expressions are obtained for the stresses $\mathcal{F}_1(M_1)_{\max}$ and $\mathcal{F}_2(T_2)_{\max}$. These are

expressed in the form

$$\frac{\sigma_{1}(M_{1})}{\sigma(Q_{n})_{\max}} = \frac{4.527\kappa}{(\alpha_{n}\lambda)^{\frac{1}{2}}} \{1 - \alpha_{n}(1 - \epsilon^{n})^{\frac{1}{2}}\} \quad \text{and} \quad \frac{\sigma_{1}(T_{1})}{\sigma(Q_{1})_{\max}} = \frac{\lambda^{\frac{1}{2}}}{\alpha^{\frac{1}{2}}} \{1 - \alpha_{n}(1 - \epsilon^{n})^{\frac{1}{2}}\} \cdot 0.939.$$

corresponding expression is derived for the exial displacement of the

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and the results are shown graphically. From these curves it is concluded that the most advantageous design is type IV with an almost constant Δ_z as a function of b/a. Orig. art. has: 32 equations and 5 figures.

ASSOCIATION: Laboratoriya gidravlicheskikh mashin AN UkrSSR (Laboratory of Hydraulic Machines, AN UkrSSR)

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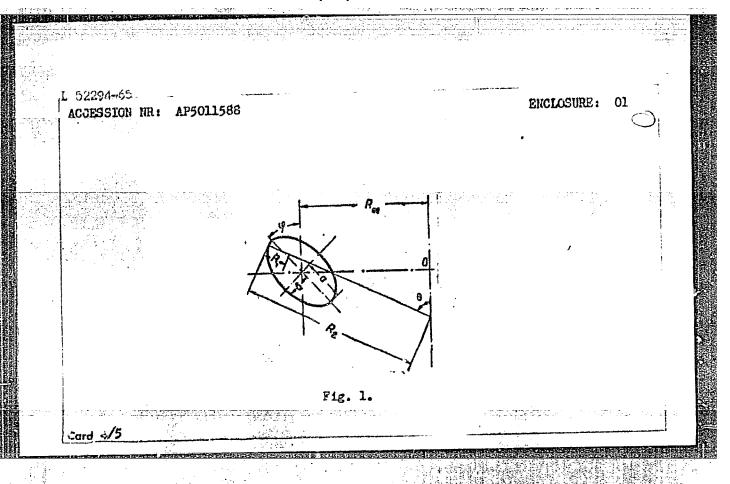
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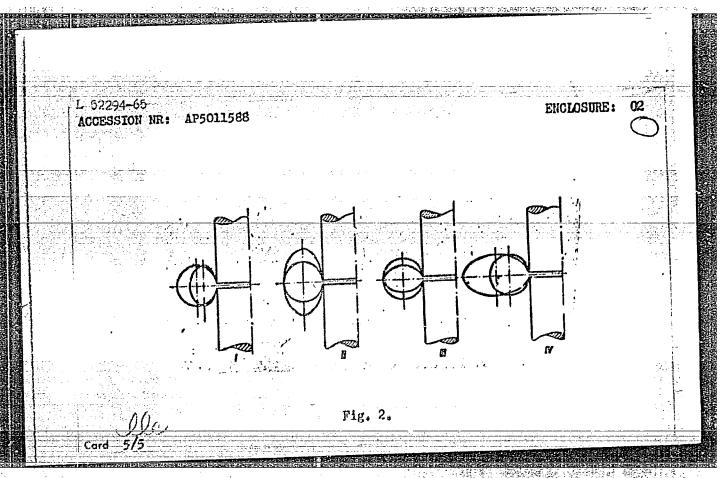
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YAROSHENKO, A.V. Fractional electromagnetic separation as a method of mineralogical analysis of the detrital part of sedimentary rocks. Trudy MINKHIGP no.36:176-190 '62. (MIRA 15:6) (Rocks, Sedimentary-Analysis)

YAROSHENKO, A.V.

Lithofacies characteristics and the paleography of the sediments of the Middle Devonian of the Southern Minusinsk Basin. Trudy MINKHIGP no.43:336-352 163. (MIRA 17:4)

Hydraulic trench-type loosening device for dredgers. Rech. transp. (MIRA 14:10) 20 no.8:43 Ag '61. (Dredging machinery)	YAROSHENKO, D., inzh.
(Dredging machinery)	Hydraulic trench-type loosening device for dredgers. (MIRA 14:10)
	(Dredging machinery)

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ZVEREV, S.A., inzh.; YAROSHENKO, D.G., inzh.

Study of the functioning of keramzit-reinforced concrete roof beams. Bet. i zhel.-ret. no.9:422-425 S 61, (MIRA 14:16) (Volga Hydroelectric Power Station (22nd Congress of the CPSU)____ Beams and girders) (Lightweight concrete)

YAROSHENKO, D.G., inzh.

Experimental reinforced concrete gate. Bet.i zhel.-bet. 8 no.4:151-154 Ap 162. (MIRA 15:5) (Gates, Hydraulic) (Reinforced concrete)

YAROSHENKO, D.M., inch.

Using alkaline storage batteries for illuminating navigational beacons. Rech. transp. 17 no.11:46 N '58. (MIRA 11:12)

1. Nachal nik tekhnicheskogo uchastka Irtyshakogo basseynogo upravleniya parokhodstva.
(Storage batteries) (Beacons)